

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF ACCESSIBLE PEDESTRIAN PUSHBUTTONS AND COUNTDOWN PEDESTRIAN SIGNALS FOR THE SOUTH AND WEST LEG CROSSINGS AT THE INTERSECTION OF MD 197 (LAUREL-BOWIE ROAD) AND MORRIS DRIVE/HOME DEPOT ENTRANCE IN PRINCE GEORGES COUNTY.

MD 197 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA FIVE PHASE, FULLY-ACTUATED TRAFFIC MODE. THE EXISTING SOUTHBOUND EXCLUSIVE/PERMISSIVE LEFT AND SIDE STREET ALTERNATE PEDESTRIAN PHASES WILL REMAIN. A CONCURRENT MAINLINE PEDESTRIAN PHASE IS PROPOSED.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER SHALL REMAIN. THE SHA SIGNAL SHOP WILL INSTALL ONE (1) 2-WIRE CENTRAL CONTROL UNIT WITHIN THE CABINET.

APS WILL FUNCTION AS FOLLOWS:

TO CROSS LAUREL-BOWIE ROAD

A. WHEN A PEDESTRIAN LOCATES AND PRESSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON MESSAGE WILL BE "WAIT TO CROSS LAUREL-BOWIE AT MORRIS."

B. WHEN THE "WALK" PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE.

TO CROSS MORRIS DRIVE

A. WHEN A PEDESTRIAN LOCATES AND PRESSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON MESSAGE WILL BE "WAIT TO CROSS MORRIS AT LAUREL-BOWIE."

B. WHEN THE "WALK" PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE.

THE CONTACT PERSONS FOR DISTRICT #3 / OOTS/ ARE AS FOLLOWS:

District #3

Mr. Brian Young  
Assistant District Engineer - Traffic  
Phone: 301-513-7404

Mr. Augie Rebish  
District Utility Engineer  
Phone: 301-513-7350

Mr. Vernon Stinnett, Jr.  
Assistant District Engineer - Maintenance  
Phone: 301-513-7304

Mr. Kevin Nowak  
Assistant District Engineer - Construction  
Phone: 301-513-7336

Office Of Traffic & Safety

Mr. Richard L. Daff Sr.  
Chief, Traffic Operations Division  
Phone: 410-787-7630

Mr. Robert Snyder  
Assistant Division Chief, Traffic Operations  
410-787-7630

Mr. Edward Rodenhizer  
Team Leader Signal Operations  
Phone: 410-787-7650

Mr. Eugene Bailey  
Team Leader Sign Operations  
410-787-7670

The Power Company Representative is:  
Potomac Electric Power Company  
8300 Old Marlboro Pike  
Upper Marlboro, Maryland 20772  
Phone: 301-961-5325

EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY THE SHA.

CATEGORY CODE	QUANTITY	DESCRIPTION
9570	17 SF	SHEET ALUMINUM GROUND MOUNTED SIGNS: 2 EA - W11-2 (30 IN. x 30 IN.) 2 EA - W16-7p (21 IN. x 15 IN.)
9571	91 SF	SHEET ALUMINUM MAST ARM/POLE MOUNTED SIGNS: 2 EA - R10-3(1) (9 IN. x 15 IN.) "PUSH BUTTON TO CROSS LAUREL-BOWIE ROAD" 2 EA - R10-3(1) (9 IN. x 15 IN.) "PUSH BUTTON TO CROSS MORRIS DRIVE" 1 EA - ASSOCIATED SHIELD ASSEMBLY "SOUTH, MD 197, RIGHT ARROW" (30 IN. x 51 IN.) 1 EA - ASSOCIATED SHIELD ASSEMBLY "NORTH, MD 197, LEFT ARROW" (48 IN. x 75 IN.) 1 EA - ASSOCIATED SHIELD ASSEMBLY "NORTH, MD 197, RIGHT ARROW" (30 IN. x 51 IN.) 1 EA - ASSOCIATED SHIELD ASSEMBLY "SOUTH, MD 197, LEFT ARROW" (48 IN. x 75 IN.) 2 EA - D-3(1) OVERHEAD STREET NAME PANEL DUAL FACE "MORRIS DR." (72 IN. x 16 IN.)

EQUIPMENT LIST 'B'

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

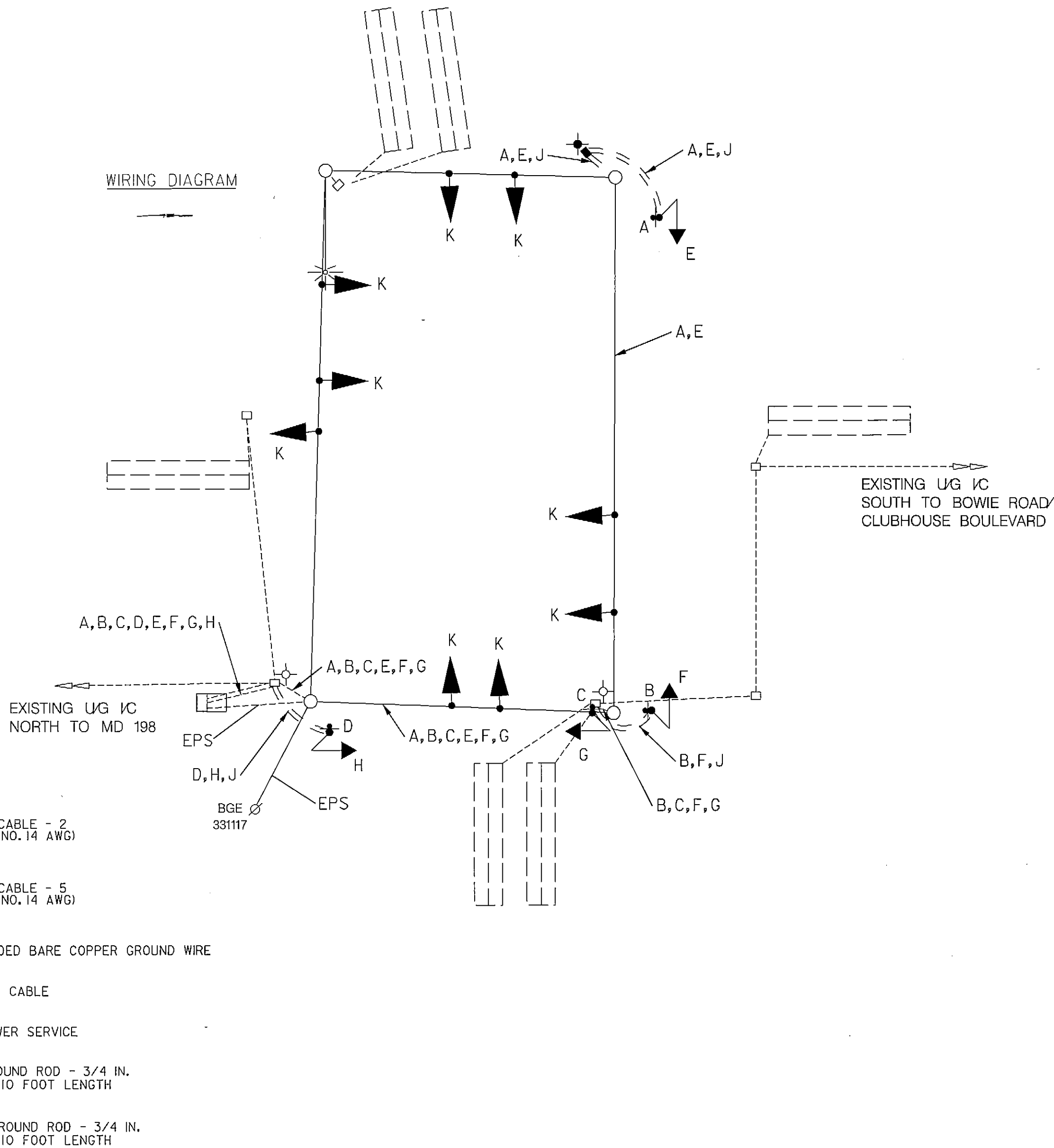
CATEGORY CODE	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
2002	2 CY	TEST PIT EXCAVATION
6001	25 LF	STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH DEPTH
6002	115 SF	5 INCH CONCRETE SIDEWALK
8001	31 EA	12 INCH (R,Y,G) LED SIGNAL HEAD
8003	1 EA	2 WIRE CENTRAL CONTROL UNIT
8010	4 EA	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION AND SIGNS
8011	4 EA	BREAKAWAY PEDESTAL POLE (ANY SIZE)
8012	1 EA	CONDUIT BEND IN EXISTING BASE
8014	4 EA	LED 16 INCH COUNTDOWN PEDESTRIAN HEAD
8016	1 EA	REMOVE AND DISPOSE OF EQUIPMENT PER ASSIGNMENT
8027	80 LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8028	10 SF	DETECTABLE WARNING SURFACES
8032	33 LF	WOOD SIGN SUPPORTS 4 INCH X 6 INCH
8033	80 LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8044	1 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8045	17 SF	INSTALL GROUND MOUNTED SIGN
8046	91 SF	INSTALL OVERHEAD SIGN
8055	680 LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
8057	725 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)

EQUIPMENT LIST 'C'

EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

CATEGORY CODE	QUANTITY	DESCRIPTION
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NONE - ALL REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR



PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	
	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	
PHASE 2 AND 5	R	R	←G/G	G	G	R	R	R	R	DW	DW	WK	WK	
PHASE 2 AND 5 CHANGE	R	R	←Y/G	G	G	R	R	R	R	DW	DW	WK	WK	
PHASE 2 AND 6	G	G	G	G	G	R	R	R	R	DW	DW	WK	WK	
PED CLEARANCE	G	G	G	G	G	R	R	R	R	DW	DW	FL/DW	FL/DW	
PHASE 2 AND 6 CHANGE	Y	Y	Y	Y	Y	R	R	R	R	DW	DW	DW	DW	
PHASE 4 AND 8	R	R	R	R	R	G	G	G	G	DW	DW	DW	DW	
PHASE 4 AND 8 CHANGE	R	R	R	R	R	Y	Y	Y	Y	DW	DW	DW	DW	
PHASE 4 AND 8 ALT.	R	R	R	R	R	G	G	G	G	WK	WK	DW	DW	
PED CLEARANCE	R	R	R	R	R	G	G	G	G	FL/DW	FL/DW	DW	DW	
PHASE 4 AND 8 ALT. CHANGE	R	R	R	R	R	Y	Y	Y	Y	DW	DW	DW	DW	
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	



STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 197 (LAUREL-BOWIE ROAD) AND MORRIS DRIVE/HOME DEPOT ENTRANCE  
LAUREL, MD

GENERAL INFORMATION

SCALE NONE ADVERTISED DATE 05/2009 CONTRACT NO. XX4495185

DESIGNED BY SDY COUNTY PRINCE GEORGES  
DRAWN BY SDY LOGMILE 16019714.50  
CHECKED BY DD TMS NO. 1899  
F.A.P. NO. TOD NO.

TS NO. 3343B-GI DRAWING SG-02 OF 02 SHEET NO. 02 OF 02